AMENDMENT TO THE ABSTRACT

The following abstract will replace all prior versions of the abstract in the application:

ABSTRACT

In order to draw up data which can be used to assess the cognitive or sensomotor capabilities or capacities of people subjected to a test, measuring samples collected by measuring methods known per se (e.g. magnetoencephalography or electroencephalography) and representing the cerebral activities of the test person, are recorded in a ~~synchronised~~synchronized manner with a sequence of different test situations which the test person faces. Relevant changes in activity are traced and ~~localised~~localized from the recorded measuring samples. Groups are then formed ~~on the basis of~~based upon the locality of the relevant activity changes, each of the groups containing activity changes of a pre-determined cerebral region. ~~Said~~ The groups are interrelated and data describing the relation between the groups of relevant activity changes is prepared for the. assessment, for example ~~visualised~~visualized or acoustically presented with experimentally determined limiting values or comparison data. ~~The magnetocephalography or electroencephalography methods are suitable for collecting the measuring samples. The drawn up data is especially suitable for assessing test people in terms of their capacity to rely on experience when the test situations are problem situations which can be solved by recalling specific experiences and when the cited groups are pre-determined for the frontal lobe, the occipital lobe and the parietal lobe of the brain and for the temporal lobe, the hippocamp and the limbic system. The inventive method can also be applied to a lie detector.~~